

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 16:09:14 ; Search time 299.73 Seconds
 (without alignments)
 26.982 Million cell updates/sec

Title: US-09-331-631A-3_COPY_117_185

Perfect score: 384

Sequence: 1 NRQRDPQQYEQCQRCRH. EEQQREDEEKYERMKBEDN 69

Scoring table: BLOSUM62

Gapop 10.0 , gapext 0.5

Searched: 374700 seqs, 117207915 residues

Total number of hits satisfying chosen parameters: 374700

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%, Maximum Match 100%, Listing first 45 summaries

Database : SPTREMBL_15:*

1: sp_archaea:*

2: sp_bacteria:*

3: sp_fungi:*

4: sp_human:*

5: sp_invertebrate:*

6: sp_mammal:*

7: sp_mic:*

8: sp_organelle:*

9: sp_phage:*

10: sp_plant:*

11: sp_rhodent:*

12: sp_virus:*

13: sp_vertebrate:*

14: sp_unclassified:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	384	100.0	666	10	09SPL4	Q9SP14	1
2	367	95.6	666	10	09SPL4	Q9SP15	PRELIMINARY;
3	359	93.5	625	10	09SPL3	Q9SP13	PRT; 666 AA.
4	175	45.6	525	10	043358	Q9SP14	AC
5	165	43.0	593	10	09SPL4	Q9SP14	DT 01-MAY-2000 (TREMBLrel. 13, Created)
6	119.5	31.1	1038	5	060983	Q9SP14	DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
7	117	30.5	810	5	092W13	Q9SP14	DT 01-OCT-2000 (TREMBLrel. 15, Last annotation update)
8	117	30.5	1089	12	040947	Q9SP14	DE VICTILIN PRECURSOR.
9	115.5	30.1	554	5	Q9VPS3	Q9VPS3	GN AMP2.
10	111	28.9	1162	12	098148	Q98148	OS Macadamia integrifolia (Macadamia nut).
11	109.5	28.5	1129	12	090R71	Q90R71	OC Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;
12	105	27.3	1390	5	077033	Q97033	OC Magnoliophyta; eudicotyledons; Proteaceae; Macadamia.
13	105	27.3	1737	5	Q9tW28	Q9tW28	OK NCBI_TAXID=60588;
14	104.5	27.2	1590	5	P01152	P01152	RN [1]
15	104	27.1	838	5	Q9YOC9	Q9YOC9	RP SEQUENCE FROM N.A.
16	103.5	27.0	2701	4	Q9Y520	Q9Y520	RC TISSUE=NUT KERNE;
17	102.5	26.7	876	11	09WU62	09WU62	RA Marcus J.P., Goultier K.C., Green J.L., Manners J.M.;
18	101.5	26.4	489	10	Q9SP11	Q9SP11	RT "A family of antimicrobial peptides is produced by processing of a 7S
19	100.5	26.2					RT globulin protein in Macadamia integrifolia.";
20							RT Plant J. 0:0-011999.
21							RL EMBL; AF161884; AAD4245.1; -.
22							DR HSSP; P02653; 2PBL.
23							DR INTERPRO; IPR01113; -.
24							DR PFAM; PF00546; Seedstore_7s; 1. 0ECA22F8710F8A7B CRC64;
25							SQ SEQUENCE 666 AA; 78243 MW;
26							Query Match Best Local Similarity 100.0%; Score 384; DB 10; Length 666; Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
27							QY 1 NRQRDPQQYEQCQRCRHETEPRHMTCQQRCRERYKEKKRQKRYEEQQRDEEKY
28							Db 117 NRQRDPQQYEQCQRCRHETEPRHMTCQQRCRERYKEKKRQKRYEEQQRDEEKY 176
29							QY 61 BERMKEEDN 69
30							Db 177 BERMKEEDN 185
31							RESULT 2
32							Q9SP15

Q17909 caenorhabd

AC	Q9SP5L5	PRELIMINARY;	PRT;	666 AA.
QY	1	01-MAY-2000 (TREMBlrel. 13, Created)		
DR	01-MAY-2000 (TREMBlrel. 13, Last sequence update)			
DT	01-OCT-2000 (TREMBlrel. 15, Last annotation update)			
DE	VICILIN PRECURSOR.			
GN	Macadamia integrifolia (Macadamia nut).			
OS	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;			
OC	Magnoliophyta; eudicotyledons; Proteaceae; Macadamia.			
OX	NCBI_TAXID=60698;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RC	TISSUE-NUT KERNEL;			
RA	Marcus J. P., Goultier K.C., Green J.L., Manners J.M.;			
RT	"A family of antimicrobial peptides is produced by processing of a 7S			
RT	globulin protein in Macadamia integrifolia kernels.";			
RL	Plant J. 0-0-0(1999).			
DR	EMBL: AF161885; PFAM: P0283; 2PHL: HSSP; P0283; 2PHL.			
DR	INTERPRO: IPR001113; -.			
DR	PFAM: PF00546; Seedstore_7s; 1.			
SQ	SEQUENCE 666 AA; 78217 MW; C752B884B2DF0224 CRC64;			
RESULT	3			
Q9SP3				
ID	Q9SP3	PRELIMINARY;	PRT;	625 AA.
AC	Q9SP3L:			
DT	01-MAY-2000 (TREMBlrel. 13, Created)			
DT	01-MAY-2000 (TREMBlrel. 13, Last sequence update)			
DE	01-OCT-2000 (TREMBlrel. 15, Last annotation update)			
GN	VICILIN PRECURSOR (FRAGMENT).			
OS	Macadamia integrifolia (Macadamia nut).			
OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;			
OC	Magnoliophyta; eudicotyledons; Proteaceae; Macadamia.			
OX	NCBI_TAXID=60698;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RC	TISSUE-LEAVES;			
RA	McHenry L., Fritz P.J.;			
RT	"Comparison of the structure and nucleotide sequences of vicilin genes			
RT	of cocoa and cotton raise questions about vicilin evolution.";			
RL	Plant Mol. Biol. 1:117-1176(1992).			
DR	EMBL: X62625; CA44493.1; -.			
DR	HSSP; P0283; 2PHL.			
DR	MENDEL; 30919; Inetc; 1188; 30919.			
DR	INTERPRO: IPR001113; -.			
DR	PFAM: PF00546; Seedstore_7s; 1.			
DR	PRODOM; P0081059; -; 1.			
KW				
FT	SIGNAL	1	24	POTENTIAL.
FT	CHAIN	25	525	VICILIN.
SQ	SEQUENCE 525 AA; 60798 MW; 1914CD5C248905D CRC64;			
RESULT	5			
Q9SEW4				
ID	Q9SEW4	PRELIMINARY;	PRT;	593 AA.
AC	Q9SEW4L:			
DT	01-MAY-2000 (TREMBlrel. 13, Created)			
DT	01-MAY-2000 (TREMBlrel. 13, Last sequence update)			
DT	01-OCT-2000 (TREMBlrel. 15, Last annotation update)			
DE	VICILIN-LIKE PROTEIN PRECURSOR (FRAGMENT).			
OS	Juglans regia (English walnut).			
OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;			
OC	Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I;			
OC	Fagales; Juglandaceae; Juglans.			
OX	NCBI_TAXID=51240;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RC	STRAIN=CV. SUNLAND; TISSUE=SOMATIC EMBRYO LINE;			
RA	Teuber S.S., Jarvis K.C., Peterson W.R., Dandekar A.M., Ansari A.A.;			
RT	"Identification and cloning of a cDNA encoding a vicilin-like protein, Jug r 2, from English walnut kernel (Juglans regia): a major food			

